

Title (en)

LIVE VACCINE COMPRISING MUTANT MSBB AND/OR HTRB GENES

Title (de)

LEBENDIMPFSTOFFE MIT MUTIERTEM MSBB UND/ODER HTRB GEN

Title (fr)

VACCIN VIVANT COMPRENANT GENES MUTANTS MSBB ET/OU HTRB

Publication

EP 0973911 A1 20000126 (EN)

Application

EP 98902105 A 19980130

Priority

- GB 9800291 W 19980130
- GB 9701886 A 19970130
- GB 9701887 A 19970130

Abstract (en)

[origin: WO9833923A1] Nucleic acid for a mutant msbB or htrB gene derivable from *Salmonella* which results in loss of an msbB or htrB encoded protein, respectively, or loss of function of the protein, which in turn results in a lipid A molecule having reduced toxicity.

IPC 1-7

A61K 39/02

IPC 8 full level

C07K 14/255 (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP US)

C07K 14/255 (2013.01 - EP); **C12N 1/205** (2021.05 - EP); **A61K 39/00** (2013.01 - EP US); **C12R 2001/42** (2021.05 - EP)

Cited by

US11471497B1; US10087451B2; US9878023B1; US11219671B1; US10364435B1; US10954521B1; US9737592B1; US10828350B1; US11180535B1; US10501746B1; US10973908B1; US11406702B1; US11827890B1; US9200289B1; US9657085B1; US10590185B1; US11485773B1; US9616114B1; US10188722B2; US10449237B1; US10729731B1; US10828356B1; US11633435B1; US11813295B1

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